

# Mohanad Arafe

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<http://mohanadarafe.io/>

<https://github.com/mohanadarafe>

## SUMMARY OF SKILLS AND QUALIFICATIONS

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**Operating Systems** | macOS • Linux • Windows

**Applications** | Linux • VSCode • Sublime Text • Vim • IntelliJ

**Other** | Photoshop (advanced) • NASM (intel assembly)

**Programming** | Java • Angular • Web (Node JS, HTML/CSS, PHP)

**Familiar With** | Python • MySQL • C • Prolog • Ruby • Lisp

**Languages** | English | Spoken & Written • French | Spoken & Written • Arabic | Spoken

## EDUCATION

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### Bachelor of Engineering – Software Engineering

2017-2021 (Expected)

Concordia University, Montreal QC

Relevant courses and key competencies:

- Object-Oriented Programming, I | Basics of Java, Conditions, Loops, Arrays & Classes
- Object-Oriented Programming, II | Inheritance, Polymorphism, Exception Handling, File I/O, Recursion, Interfaces, Inner Classes, Generics, Array List & Linked Data Structures
- Data Structures & Algorithms | Arrays, Linked Lists, Heaps, Hash Tables, Search Trees.
- Operating Systems | Processes & threads, context switching, queuing models...

### Pure & Applied Sciences

Champlain College, St-Lambert QC

2015 - 2017

Relevant courses and key competencies:

- Computer Applications | Introduction to loops & conditions using Matlab

## WORK EXPERIENCE

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### GSI Electronics

May 2019-Aug 2019

Web Developer – St-Hubert, QC

- Prepare time estimate for new features
- Develop new features
- Fix bugs
- Participate in code and design reviews

### Bank of Montreal

Mar 2017-Jul 2018

Cash Teller - Brossard, QC

- Serve and delight each customer during every interaction and execute financial transaction
- Identify opportunities to promote the right financial products and services
- Maintain overall appearance and presentation of the branch
- Understand our customers' needs through quality conversations

## Best Buy

Mar 2016-Mar 2017

Sales Coordinator - Greenfield Park, QC

- Create and implement sales strategies
- Solicit sales from existing customers and develop new customer base
- Meet warranty/service sale quotas
- Able to communicate effectively with a wide range of clients and colleagues

## PROJECTS

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### www.mohanadarafe.io (Personal)

- Using knowledge gained from online resources & a web-programming class. I built a personal website containing my projects and information about me. The website was built from scratch using a text editor.

### ConUPlugs.com (Hackathon)

ConUHacks IV 2019, Montreal QC

- ConUPlugs is a web platform for Concordia students used to search information about their courses. We provide information such as course outlines, ratings of teachers & resources such as past midterms.
- Technologies used involve heavy PHP & Bootstrap.
- Demoed & published our product in front of judges from various companies.

### Passport MRZ Parser (Hackathon)

Blockhacks 2018, Montreal QC

- Developed a software using Python to parse the MRZ code of passport images & decrypt using Tesseract ML.

### Deloitte Cyber Security Competition (Show case)

Concordia 2019, Montreal QC

- Take on the FBI vs. Apple case and present alternative solutions to a panel of judges.
- Take into consideration multiple aspects such court rights, publicity and adapt to real life situations.

### Witwit / Software Process (Academic)

Concordia 2019, Montreal QC

- Re-build the famous social media, Twitter
- Allow users to follow their friends, post and like Wits
- Group project using GitHub, Angular, Node JS, MySQL & Bootstrap

### JSON Parser/Object-Oriented Programming II (Academic)

Concordia University, Montreal, Qc

- Implementation of File I/O, Inheritance, and Exception handling.
- Developed a software using java to generate bibliographies in multiples formats.
- Program reads given text files and creates 3 different files formatting them in IEEE, ACM, and NJ.

## INTERESTS

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### Football(soccer)

Play, watch and coach the beautiful game.

### Photography

When I get a chance to travel, I love to share my experience through photography!

### Passion

Travelling, football, computer science and security.